$$p(A/\bar{E}) = \frac{C_3^1 \times C_2^2}{C_5^3} = \frac{3}{10}$$

b) $p(A) = p(A \cap E) + p(A \cap \bar{E})$

$$= p(A/E) \cdot p(E) + p(A/\bar{E}) \cdot p(\bar{E})$$

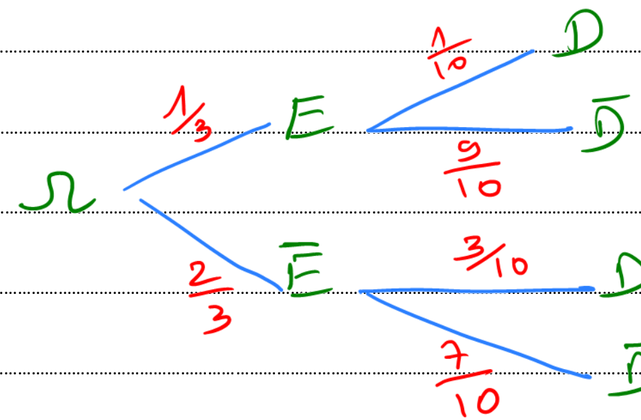
$$= \frac{3}{5} \times \frac{1}{3} + \frac{3}{10} \times \frac{2}{3} = \frac{6}{15}$$

c) $D/E = \{2R\}$ $\quad p(D/E) = \frac{C_2^2}{C_5^2} = \frac{1}{10}$

$$p(\bar{D}/E) = 1 - p(D/E) = \frac{9}{10}$$

$D/\bar{E} = \{2R, 1B\}$ $\quad p(D/\bar{E}) = \frac{C_2^2 \times C_3^1}{C_5^3} = \frac{3}{10}$

$$p(\bar{D}/\bar{E}) = 1 - p(D/\bar{E}) = \frac{7}{10}$$



$$p(D) = \frac{1}{3} \times \frac{1}{10} + \frac{3}{10} \times \frac{2}{3} = \frac{7}{30}$$

Qarray.tn - Adja Blech - Qarray.tn